**imc CANSAS*fit* for mobile testing  
New robust measurement module series for vehicle and machinery testing**

imc CANSAS*fit* is particularly well-suited for mobile testing in harsh environments. Whether instrumented in the engine compartment of a car or in the cab of a piece of heavy machinery: the robust housing offers reliable protection against water spray, dirt and vibrations. The modules’ wide temperature range from -40° to +125°C allows testing to be performed during summer or winter, as well as in climate chambers.

Due to its compact design, imc CANSAS*fit* can be placed in confined spaces such as under a vehicle’s interior trim.

“By means of our innovative click-mechanism, we particularly had usability in mind. With one click, users can connect the modules both mechanically and electrically – and without requiring tools or additional cables. This reduces setup time, reduces costs and increases productivity when test driving.”, says Ralf Winkelmann, Head of Development at imc.

These modules can acquire typical analog signals like temperature and voltage, but also RPM, displacement or velocity, as well as digital statuses and then output them via galvanically-isolated CAN at up to 1 Mbit/s.

Thanks to their broad input voltage range of 7-50 V DC, safe operation of imc CANSAS*fit* in different vehicle electrical systems is ensured. For everyday operations, the modules are especially comfortable: combined modules behave as a single unit – only the power supply and CAN bus need to be connected to the first module – all others are automatically connected via the click-mechanism. In addition, integrated LEDs inform the operator at a glance about supply fault, sensor breakage and module status.

**All data in a single system**

imc CANSAS*fit* modules work seamlessly with all imc measurement systems with CAN interfaces. The imc systems synchronously save all data, provide interfaces to all common fieldbuses such as CAN, LIN, FlexRay and XCPoE and support ECU protocols like KWP2000, CCP, XCP or OBD-2.

imc systems are especially productive when used with the imc STUDIO test and measurement software. With this software, users can configure all measurement parameters, create personal operation and display pages, automate test sequences, perform analyses and create print-ready test reports. This reduces the need for training and offers safety for everyday use.

Additional information:  
<http://www.imc-berlin.com/products/measurement-hardware/imc-cansas/series/imc-cansasfit/>

**imc Meßsysteme GmbH, Berlin, Germany**

For over 25 years, imc Meßsysteme GmbH has been developing, manufacturing and selling hardware and software solutions worldwide in the field of physical measurement technology. Whether in a vehicle, on a test bench or monitoring plants and machinery – data acquisition with imc systems is considered productive, user-friendly and profitable. So whether needed in research, development, testing or commissioning, imc offers complete turnkey solutions, as well as standardized measurement devices and software products.

imc measurement systems work in mechanical and mechatronic applications offering up to 100 kHz sampling rate per channel with most popular sensors for measuring physical quantities, such as pressure, force, speed, vibration, noise, temperature, voltage or current. The spectrum of imc measurement products and services ranges from simple data recording via integrated real-time calculations, to the integration of models and complete automation of test benches.

Founded in 1988 and headquartered in Berlin, imc Meßsysteme GmbH employs around 160 employees who are continuously working hard to further develop the product portfolio. Internationally, imc products are distributed and sold through our 25 partner companies.